

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**



1652
Box seg

ATTORNEY DOCKET NO. 07121.0003U1
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of)	
)	
SUNG, Wing L.)	
)	Group Art Unit: 1652
Serial No. 09/990,874)	
)	Examiner: RAO, Manjunath n.
Filed: November 21, 2001)	
)	Confirmation No.: 2196
For: "XYLANASES WITH ENHANCED)	
THERMOPHILICITY AND)	
ALKALOPHILICITY")	

**RESPONSE TO OFFICE COMMUNICATION AND RAW SEQUENCE ERROR
REPORT TO COMPLY WITH REQUIREMENTS
FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE
AND/OR AMINO ACID SEQUENCE DISCLOSURES**

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

NEEDLE & ROSENBERG, P.C.
Customer No. 23859

Sir:

This is responsive to the May 26, 2004 Office Communication and Raw Sequence Error Report issued in connection with the above-identified patent application. Copies of these documents are enclosed.

The following errors were noted in the Raw Sequence Error Report:

- 1) SEQ ID NO: 47 - the length shown in position 1534, item <211> is incorrect. The length shown is 54, and the correct length is 66.
- 2) SEQ ID NO: 56 - item <213> the Organism listed as "Artificial" is misspelled; and

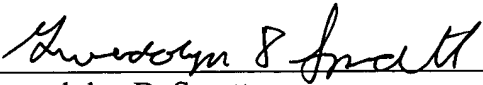
ATTORNEY DOCKET NO. 07121.0003U1
SERIAL NO. 09/990,874

3) SEQ ID NOs: 22 – 53, 55, and 57-71 – item <213> the Organism listed as “Artificial,” should read “Artificial Sequence.”

The above-referenced errors are inadvertent errors on the part of the applicant and are corrected herewith. A diskette containing the corrected Sequence Listing for this application in computer readable form (CRF) and a paper copy of the corrected Sequence Listing in compliance with 37 C.F.R. §§ 1.821-1.825 are enclosed. Applicants hereby certify that the information in both the computer readable form and the paper copy of the Sequence Listing enclosed herewith is the same and includes no new matter.

The enclosed computer readable copy and paper copy of the Sequence Listing are believed to bring the Sequence Listing into full compliance with the sequence rules. Therefore, entry of the Corrected Sequence Listing is respectfully requested.

No additional fee is believed due. However, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-0629.



Gwendolyn D. Spratt
Registration No. 36,016

NEEDLE & ROSENBERG, P.C.
Customer No. 23859
Phone: 678/420-9300
Facsimile: 678/420-9301



ATTORNEY DOCKET NO. 07121.0003U1
SERIAL NO. 09/990,874

CERTIFICATE OF FACSIMILE TRANSMISSION UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:
Commissioner for Patents, P.O. Box 1450 Alexandria, Virginia 22313-1450 on the date shown below.

Gwendolyn D. Spratt

Gwendolyn D. Spratt

6-28-04

Date



UNITED STATES DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
---------------------------------	-------------	---	---------------------

EXAMINER

ART UNIT	PAPER
----------	-------

20040524

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

Sequence Compliance

This application contains sequence disclosures that are encompassed by the definitions for nucleotide and/or amino acid sequences set forth in 37 CFR 1.821(a)(1) and (a)(2). However, this application fails to comply with the requirements of 37 CFR 1.821 through 1.825 for the reason(s) set forth on the attached Notice To Comply With Requirements For Patent Applications Containing Nucleotide Sequence And/Or Amino Acid Sequence Disclosures.

An error has been detected in the electronic sequence information submitted on 3-17-04, because of which the sequence information has not been entered into the USPTO sequence database. Applicants attention is also drawn to the Sequence Error report enclosed herewith. See particularly 37 CFR 1.821(d).

Any inquiry concerning this communication should be directed to Examiner Manjunath Rao Art Unit 1652, whose telephone number is (571) 272-0939.

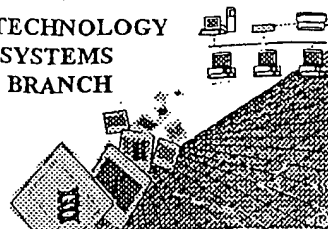
Any inquiry of a general nature or relating to the status of this application should be directed to the Customer Service Center whose telephone number is (571)272-1600.

APPLICANT IS GIVEN ONE MONTH FROM THE DATE OF THIS LETTER WITHIN WHICH TO COMPLY WITH THE SEQUENCE RULES, 37 CFR 1.821 - 1.825. Failure to comply with these requirements will result in ABANDONMENT of the application under 37 CFR 1.821(g). Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136. In no case may an applicant extend the period for response beyond the six month statutory period. Applicant is requested to return a copy of the attached Notice to Comply with the response.

Manjunath N. Rao, Ph.D.
Primary Examiner
Art Unit: 1652



BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/990,874A
Source: 1690
Date Processed by STIC: 1/21/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03



1600

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/990,874A

DATE: 01/21/2004
TIME: 15:10:03

Input Set : A:\205448_1.doc
Output Set: N:\CRF4\01202004\I990874A.raw

3 <110> APPLICANT: Sung, Wing
5 <120> TITLE OF INVENTION: Xylanases with Enhanced Thermophilicity and Alkalophilicity
7 <130> FILE REFERENCE: 07121.0003U1
9 <140> CURRENT APPLICATION NUMBER: 09/990,874A
10 <141> CURRENT FILING DATE: 2001-11-21
12 <160> NUMBER OF SEQ ID NOS: 71
14 <170> SOFTWARE: PatentIn version 3.0

RORED SEQUENCES

1532 <210> SEQ ID NO: 47
1534 <211> LENGTH: 54
1536 <212> TYPE: DNA
1538 <213> ORGANISM: Artificial
1540 <220> FEATURE:
1542 <223> OTHER INFORMATION: Tx-144R-1r
1546 <400> SEQUENCE: 47
1547 ccattgcatta aagtgattcg cagtattaac cgaaccggag ctccgacgat tacgtctaac
--> 1549 actcca

60
66

09/990,874A 2

<210> 56

<211> 112

<212> DNA

<213> Artificial Artificial

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/990,874A

DATE: 01/21/2004
TIME: 15:10:05

Input Set : A:\205448_1.doc
Output Set: N:\CRF4\01202004\I990874A.raw

valid <213> Response:

e of "Artificial" only as "<213> Organism" response is incomplete,
r 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

q#:21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44
q#:45,46,47,48,49,50,51,52,53,55,57,58,59,60,61,62,63,64,65,66,67,68,69,70
q#:71

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/990,874A

DATE: 01/21/2004

TIME: 15:10:05

Input Set : A:\205448_1.doc

Output Set: N:\CRF4\01202004\I990874A.raw

1549 M:252 E: No. of Seq. differs, <211> LENGTH:Input:54 Found:66 SEQ:47
1767 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:56